

ABSTRACT

The present invention discloses a heat resistance copper alloy material characterized in that said copper alloy material comprises 0.15 to 0.33 mass percent of Co, 0.041 to 0.089 mass percent of P, 0.02 to 0.25 mass percent of Sn, 0.01 to 0.40 mass percent of Zn and the remaining mass percent of Cu and inevitable impurities, wherein each content of Co, P, Sn and Zn satisfies the relationships $2.4 \leq ([Co] - 0.02) / [P] \leq 5.2$ and $0.20 \leq [Co] + 0.5 [P] + 0.9 [Sn] + 0.1 [Zn] \leq 0.54$, wherein [Co], [P], [Sn] and [Zn] are said mass percents of Co, P, Sn and Zn content, respectively; and said copper alloy material is a pipe, plate, bar, wire or worked material obtained by working said pipe, plate, bar or wire material into predetermined shapes.